



Using GIS for Right of Way Acquisition on Indian Lands

A Success Story

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BARTLETT & WEST

SERVICE, THE BARTLETT & WEST WAY.

What's Involved...

- Ownership Information
 - Many Owners
 - Title Status Reports (TSR)
 - Contact Information
- Consent to Survey
 - Mailing Documents
 - Easement Maps
 - Consent Forms
 - Consent
 - 100% Notification
 - 51%+ Consent

What's Involved...

- Land Owner Payments
 - Appraisals
 - Custom
 - Calculated
 - Offered Value
 - Accepted
 - Waived
 - Negotiated

What's Involved...

- Right of Way Consent
 - Mailing Documents
 - Form Letters
 - Easement Maps
 - Consent Forms
 - Consent
 - 100% Notification
 - 51%+ Consent

How It Was Done...

- Processes
 - Hand
 - Excess Paperwork
 - Easily Corrupted
 - No Analytical Power
 - Extremely Labor Intensive
 - Excel
 - Cumbersome to Use
 - Easily Corrupted
 - Non-Relational
 - Minimal Analytical Power
 - No Reports

How It Was Done...

- Processes
 - Access
 - Relational
 - Good Analytical Power
 - Good Reports
 - Limited Accessibility
 - No Spatial Component

Innovation...

- Enterprise System
 - Web-based Interface
 - SQL Server
 - Custom Web Pages
 - Custom Reports
 - Custom Functions
 - GIS
 - ArcSDE GeoDatabases
 - ArcIMS Site
 - Linked to Web-based Interface
 - Custom Functions

Keys to Success...

- Accessibility
 - Requirements
 - Internet Connection
 - Web Browser
 - Authorization
- Improved Functionality
 - Data Management
 - Less Errors
 - Data Integrity
 - Low Redundancy

Keys to Success...

- Improved Functionality
 - Efficiency
 - Data Entry
 - Auto-Generated Documents
 - Auto-Generated Maps
 - Improved Analysis
 - Effectiveness
 - Target Specific Parcels
 - Certification
 - Meet Deadlines